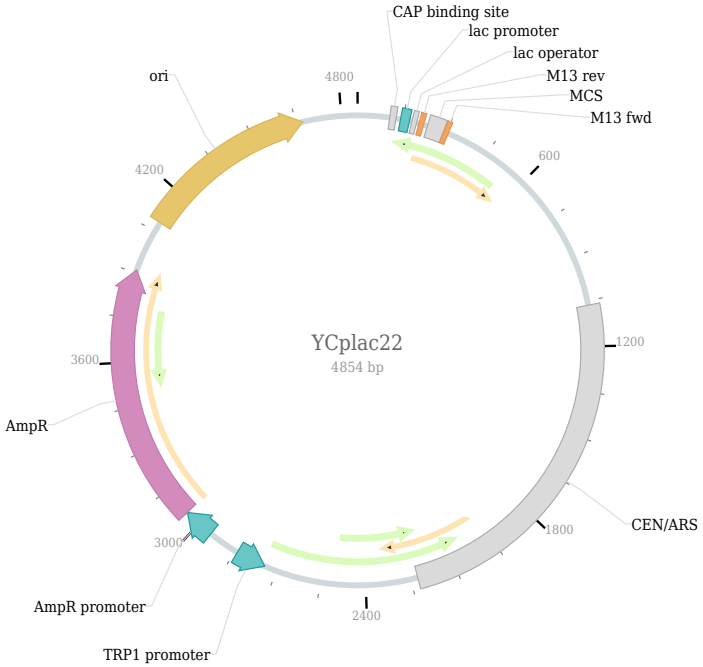
# YCplac22

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|---|---|
| **载体编号 Vector ID** | V010193 |
| **抗性 Antibiotic Resistance** | Ampicillin |
| **长度 Length** | 4854 bp |
| **载体类型 Vector Type** | Yeast Plasmids |

## 产品信息

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|---|---|
| **复制子 Replication Origin** | ori |
| **来源 Source/Author** | Gietz RD, Sugino A. |
| **拷贝数 Copy Number** | High copy number |
| **5' 引物 5' Primer** | M13 fwd |
| **3' 引物 3' Primer** | M13 rev |
| **培养菌株 Growth Strain(s)** | DH10B |
| **培养温度 Growth Temperature** | 37℃ |
| **备注 Comment** | YCplac22 is a plasmid with ampicillin resistance. With the combination of TRP1 promoter and CEN/ARS element, it provides a stable platform for inserting and expressing various target genes. Scientists can insert genes of interest into YCplac22 and introduce it into host organisms, such as bacteria or yeast, to study the function and regulation of those genes. YCplac22 is also useful in constructing mutant libraries. By randomly mutagenizing genes and inserting them into YCplac22, researchers can screen for mutants with desired phenotypes, helping to understand gene function and identify potential genetic factors involved in certain traits. |

## 质粒图谱



## 复溶方法

1. Centrifuge at 5,000×g for 5 min.
2. Carefully open the tube and add sterile water to dissolve the DNA: add 20 µl for 5 µg plasmid, and 100 µl for 100 µg plasmid.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin to concentrate the liquid at the bottom. Speed is less than 5000×g.
5. Store the plasmid at -20 ℃.